

Chemistry 104-02 Syllabus
Introductory Chemistry Laboratory II

Contact Information

Dr. Sharon Cruse
CNSB 201
Office Hours: Monday and Wednesday 10:00-12:00
Tuesday and Thursday 8:55-9:25, 10:55-12:25
Friday 9:30-11:30
Phone: 342-1834
Email: cruse@ulm.edu

Course Description, Prerequisites/Co-requisites

104. INTRODUCTORY CHEMISTRY LABORATORY II. 1 cr. A laboratory course to accompany CHEM 102. Three hours of laboratory. Prerequisite: "C" or better in CHEM 103 and registration or credit in CHEM 102. For non-majors. Sp

Course Objectives and Outcomes

This course is designed to

1. provide a basic understanding of chemical principles and practices.
2. develop safe and prudent behavior in the chemistry laboratory.
3. enable students to follow written and verbal instructions to achieve a desired outcome in the lab.

Course Schedule Information

Spring 2007
2:00-5:00 W
CNSB 144 and CNSB 141

January 24	Safety and Procedure Lecture, Check In Models
January 31	Estimating the Caloric Content of Nuts
February 7	Oxidation of Alcohols
February 14	Benzoic Acid and Its Sodium Salt
February 28	A Separation of Compounds Based on Physical and Chemical Properties
March 7	Qualitative Organic Analysis
March 14	Buffers
March 21	Oil of Wintergreen and Aspirin
March 28	Soap
April 4	Proteins
April 18	Digestion
April 25	Check Out, Quiz 11, Make-Up Quiz, Make-Up Lab 1
May 2	Make-Up Lab 2

(The instructor reserves the right to adjust the schedule as needed.)

Instructional Methods and Activities

Lecture

Laboratory Experiments

Cooperative learning (required to work with other students on assignments)

Methods of Evaluation

Tests

A 20 point quiz will be given each class meeting, starting January 31. It will be over the material covered in the last class meeting. $(11 \times 20) = 220$

Laboratories

11 laboratories \times 20 points each = 220 points

Make-up Test

Any missed quiz will be made up on April 25 with a comprehensive quiz (based on quizzes 1-10). The grade on the make-up will be the grade for each missed quiz. If you miss a class, you will be required to take the quiz for that missed laboratory the next class meeting.

Make-up Laboratory

If you miss one laboratory, you will be given the opportunity to participate in a make-up lab on April 25. If you miss a second lab (or if you are not able to do the make-up lab for one missed lab on April 25), then you will be given the opportunity to participate in a make-up lab on May 2. If you miss a third lab, you will be required to write an 11 page report on an article I will give to you. This work (for a third missed lab) will need to be done in a classroom, not at home. The format for the report will be given to you at that time. The 11 page report work needs to be done no later than May 3. If possible, you can meet with the Monday section and do the experiment for that week only.

Grades

A	396-440 points	90-100%
B	352-395 points	80-89%
C	308-351 points	70-79%
D	264-307 points	60-69%
F	0-263 points	0-59%

Mid-Term: March 5-9

Undergraduate mid-term grades will be posted on-line for students to view via Arrow. Mid-term grades indicate a student's status at mid-semester only and do not indicate the final performance outcome of a student.

Drop Date: March 23

Class Policies and Procedures

All policies stated in the current ULM *Student Policy Manual & Organizational Handbook* are followed.

Required Textbook: Chemistry 104 Laboratory Manual

Attendance: You are expected to attend class. Excess absences will be reported.

Course Evaluation Policy: You are expected to complete the on-line course evaluation.

Student Services: <http://www.ulm.edu/studentaffairs>